EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	171	380/247.ccls.	USPAT	OR	OFF	2005/09/30 16:06
S2	236	380/247.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/30 16:07
S3	2	"6233577".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/30 16:08
S4	236	S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/30 16:08
S5	1	"6161139".pn.	USPAT	OR	OFF	2005/10/01 18:59
S6	25	suorsa.in. and provision$4	US-PGPUB; USPAT	OR	OFF	2006/03/21 18:35
S7	1	"6233577".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/21 18:36
S8	1	"6944678".pn.	USPAT	OR	OFF	2006/06/23 19:47
S9	2	"5590199".pn. "5005200".pn.	USPAT	OR	OFF	2006/06/23 19:53
S10	1	"5923756".pn.	USPAT	OR	OFF	2006/06/23 20:06
S11	1	"6668322".pn.	USPAT	OR	OFF	2006/06/23 20:07
S12	2	laforgia.in.	USPAT	OR	OFF	2006/07/20 14:00
S13	23	la adj forgia.xa.	USPAT	OR	OFF	2006/07/20 14:00
S14	41	la adj forgia.xa. or laforgia.xa.	USPAT	OR	OFF	2006/07/20 14:00
S15	23	la adj forgia.xa. or laforgia.xa. and communique.as.	USPAT	OR	OFF	2006/07/20 14:01
S16	1	(la adj forgia.xa. or laforgia.xa.) and communique.as.	USPAT	OR	OFF	2006/11/22 17:12
S17	1	"6880080".pn.	USPAT	OR	OFF	2006/11/22 17:12
S18	211	380/247.ccls.	USPAT	OR	OFF	2006/11/24 16:07
S19	290	380/247.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/24 16:07

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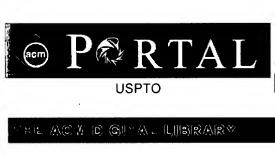|						
S20	132714	(provision$4 provid$4 configur$4) with (mobile wireless cellular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 15:02
S21	54	(provision$4 provid$4 configur$4) with (mobile wireless cellular) with (digital adj certificat$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 15:14
S22	119	(provision$4 provid$4 configur$4) with (mobile wireless cellular) same (digital adj certificat$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 15:05
S23	316	(mobile wireless cellular) with (digital adj certificat$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 15:14
S24	15	(mobile wireless cellular) with (digital adj certificat$4) and @py<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 15:15
S25	318	380/247.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/23 16:38
S26	7189	(VLR) (visitor adj location adj register)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/23 16:41

S27	34	S26 and (digital adj certificate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:42
S28	0	(access adj point) with (digital adj certificate) same (domain$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:43
S29	25	(access adj point) with (digital adj certificate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:44
S30	12404	(provision$4) with (mobile cellular (hand adj held))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:45
S31	12	(provision$4) with (mobile cellular (hand adj held)) same (digital adj certificate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:46
S32	361	726/4.ccls. and (mobile cellular hand-held wireless) near2 (client device station)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:58
S33	48	726/4.ccls. and (mobile cellular hand-held wireless) near2 (client device station) and (digital adj certificate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:47
S34	5	726/4.ccls. and (mobile cellular hand-held wireless) near2 (client device station) same (digital adj certificate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/24 20:59

EAST Search History

S35	376	((MARTIN with BRUCE) (WANG with ROBERT) (LUNA with MICHAEL)).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:53
S36	52	((MARTIN with BRUCE) (WANG with ROBERT) (LUNA with MICHAEL)).in. and (mobile provision$4 (digital adj certificat)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:53
S37	52	((MARTIN with BRUCE) (WANG with ROBERT) (LUNA with MICHAEL)).in. and (mobile provision$4 (digital adj certificate$2)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:54
S38	1	((MARTIN with BRUCE) (WANG with ROBERT) (LUNA with MICHAEL)).in. and (digital adj certificate$2).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:54
S39	3	(openwave with system$2).as. and (digital adj certificate$2).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:55
S40	3	(openwave).as. and (digital adj certificate$2).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:55
S41	8049	(provision$4 with message$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:55
S42	596	(provision$4 with message$2) near10 (mobile cellular wireless)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:56

EAST Search History

S43	11	(provision$4 with message$2) near10 (mobile cellular wireless) and (digital adj certificate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:56
S44	404	713/176.ccls. and (mobile cellular hand-held wireless) near2 (client device station)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 16:59
S45	97	713/176.ccls. and (mobile cellular hand-held wireless) near2 (client device station) and (digital adj certificate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/24 20:59
S46	20	713/176.ccls. and (mobile cellular hand-held wireless) near2 (client device station) and (digital adj certificate).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/24 21:00
S47	0	726/4.ccls. and (mobile cellular hand-held wireless) near2 (client device station) same (digital adj certificate).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/24 20:59
S48	8	726/4.ccls. and (mobile cellular hand-held wireless) near2 (client device station) and (digital adj certificate).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/24 21:00
S49	0	380/247.ccls. and (mobile cellular hand-held wireless) near2 (client device station) and (digital adj certificate).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/24 21:00
S50	0	380/247.ccls. and (mobile cellular hand-held wireless) and (digital adj certificate).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/24 21:00

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1   A survey on peer-to-peer key management for mobile ad hoc networks   ◼
◈ Johann Van Der Merwe, Dawoud Dawoud, Stephen McDonald
April 2007 **ACM Computing Surveys (CSUR)**, Volume 39 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(872.71 KB)   Additional Information: full citation, abstract, references, index terms

> The article reviews the most popular peer-to-peer key management protocols for mobile ad hoc networks (MANETs). The protocols are subdivided into groups based on their design strategy or main characteristic. The article discusses and provides comments on the strategy of each group separately. The discussions give insight into open research problems in the area of pairwise key management.

> **Keywords**: Mobile ad hoc networks, pairwise key management, peer-to-peer key management, security

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2   Design and modelling of internode: a mobile provider provisioned VPN   ◼
Francisco Barceló, Josep Paradells, Fofy Setaki, Monique Gibeaux
February 2003 **Mobile Networks and Applications**, Volume 8 Issue 1
Publisher: Kluwer Academic Publishers
Full text available: 📄 pdf(237.48 KB)   Additional Information: full citation, abstract, references, index terms

> This paper presents the design and architecture of a mobile Provider Provisioned VPN (PPVPN) together with a performance evaluation oriented model that allows first estimates of the VPN set-up delay to be computed. At the same time, some consequences of the discussion can be applied to the design of the VPN configuration parameters. Many different technologies and protocols are used: access is supplied through GPRS or WaveLANs, IP mobility is supported by Mobile IP, and the VPN is based on the I ...

> **Keywords**: IPSec, VPN, mobile IP, mobile VPN, provider provisioned VPN

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3   New basic technologies for DIM: Pseudonym management using mediated identity-based cryptography   ◼
Thibault Candebat, Cameron Ross Dunne, David T. Gray

November 2005 **Proceedings of the 2005 workshop on Digital identity management DIM '05**
Publisher: ACM Press
Full text available: pdf(293.16 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Mobile Location-Based Services (LBS) have raised privacy concerns amongst mobile phone users who may need to supply their identity and location information to untrustworthy third parties in order to access these applications. Widespread acceptance of such services may therefore depend on how privacy sensitive information will be handled in order to restore users' confidence in what could become the "killer app" of 3G networks. In this paper, we present a proxy-based public key infrastructure tha ...

Keywords: SEM architecture, identity-based encryption, location-based services, pseudonymity

4   <u>Introduction of the asymmetric cryptography in GSM, GPRS, UMTS, and its public key infrastructure integration</u>
Constantinos F. Grecas, Sotirios I. Maniatis, Iakovos S. Venieris
April 2003 **Mobile Networks and Applications**, Volume 8 Issue 2
Publisher: Kluwer Academic Publishers
Full text available: pdf(107.24 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

The logic ruling the user and network authentication as well as the data ciphering in the GSM architecture is characterized, regarding the transferring of the parameters employed in these processes, by transactions between three nodes of the system, that is the MS, actually the SIM, the visited MSC/VLR, and the AuC, which is attached to the HLR in most cases. The GPRS and the UMTS architecture carry the heritage of the GSM's philosophy regarding the user/network authentication and the data ciphe ...

Keywords: PKIs, PLMNs, asymmetric cryptography

5   <u>Security as a new dimension in embedded system design: Security as a new dimension in embedded system design</u>
Srivaths Ravi, Paul Kocher, Ruby Lee, Gary McGraw, Anand Raghunathan
June 2004 **Proceedings of the 41st annual conference on Design automation DAC '04**
Publisher: ACM Press
Full text available: pdf(209.10 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

The growing number of instances of breaches in information security in the last few years has created a compelling case for efforts towards secure electronic systems. Embedded systems, which will be ubiquitously used to capture, store, manipulate, and access data of a sensitive nature, pose several unique and interesting security challenges. Security has been the subject of intensive research in the areas of cryptography, computing, and networking. However, despite these efforts, *security is* ...

Keywords: *PDAs, architectures, battery life, cryptography, design, design methodologies, digital rights management, embedded systems, performance, security, security processing, security protocols, sensors, software attacks, tamper resistance, trusted computing, viruses*

6   <u>E-government services and policy track: Using a common architecture in Australian e-Government: the case of smart service Queensland</u>
Nigel Martin, Shirley Gregor, Dennis Hart

March 2004 **Proceedings of the 6th international conference on Electronic commerce ICEC '04**
Publisher: ACM Press
Full text available: 📄 pdf(502.88 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

> In this paper, we present the findings of a case study which examines the use of enterprise architectures in the context of the development and implementation of an Electronic Government (e-Government) Services Delivery initiative by the Queensland State government of Australia. The paper employs strategic alignment theory to critically examine the progress of the initiative from the development of public policy and business case documents, through to the pilot program, and progressive implement ...
>
> **Keywords:** J2EE, architecture, business, electronic, robustness, scalability, service, smart, standardization, system, trust

7 <u>On the impact of quality of protection in wireless local area networks with IP mobility</u>   ▬
Avesh K. Agarwal, Wenye Wang
January 2007 **Mobile Networks and Applications**, Volume 12 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(570.49 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

> Wireless local area networks (LANs) are vulnerable to malicious attacks due to their shared medium in unlicensed frequency spectrum, thus requiring security features for a variety of applications even at the cost of quality of service (QoS). However, there is very little work on investigating to what extent system performance is affected by security configurations with respect to mobility scenarios, heterogeneous networks, and different applications. In order to exploit the full potential of exi ...
>
> **Keywords:** mobile IP, performance analysis, quality of protection, quality of service, security protocols, wireless local area networks

8 <u>A secure infrastructure for service discovery and access in pervasive computing</u>   ▬
Jeffrey Undercoffer, Filip Perich, Andrej Cedilnik, Lalana Kagal, Anupam Joshi
April 2003 **Mobile Networks and Applications**, Volume 8 Issue 2
Publisher: Kluwer Academic Publishers
Full text available: 📄 pdf(308.34 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

> Security is paramount to the success of pervasive computing environments. The system presented in this paper provides a communications and security infrastructure that goes far in advancing the goal of anywhere-anytime computing. Our work securely enables clients to access and utilize services in heterogeneous networks. We provide a service registration and discovery mechanism implemented through a hierarchy of service management. The system is built upon a simplified Public Key Infrastructure t ...
>
> **Keywords:** distributed services, extensible markup language, pervasive computing, security, smartcards

9 <u>Formal analysis of card-based payment systems in mobile devices</u>   ▬
Vijayakrishnan Pasupathinathan, Josef Pieprzyk, Huaxiong Wang, Joo Yeon Cho
January 2006 **Proceedings of the 2006 Australasian workshops on Grid computing and e-research - Volume 54 ACSW Frontiers '06**
Publisher: Australian Computer Society, Inc.
Full text available: 📄 pdf(169.95 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

To provide card holder authentication while they are conducting an electronic transaction using mobile devices, VISA and MasterCard independently proposed two electronic payment protocols: Visa 3D Secure and MasterCard Secure Code. The protocols use pre-registered passwords to provide card holder authentication and Secure Socket Layer/ Transport Layer Security (SSL/TLS) for data confidentiality over wired networks and Wireless Transport Layer Security (WTLS) between a wireless device and a Wirel ...

Keywords: card-based systems, electronic payments, formal verification, mobile payment

10 Ad hoc network: A security design for a general purpose, self-organizing, multihop ad hoc wireless network

Thomas S. Messerges, Johnas Cukier, Tom A. M. Kevenaar, Larry Puhl, René Struik, Ed Callaway
October 2003 **Proceedings of the 1st ACM workshop on Security of ad hoc and sensor networks SASN '03**
Publisher: ACM Press

Full text available: pdf(353.25 KB)   Additional Information: full citation, abstract, references, index terms

We present a security design for a general purpose, self-organizing, multihop ad hoc wireless network, based on the IEEE 802.15.4 low-rate wireless personal area network standard. The design employs elliptic-curve cryptography and the AES block cipher to supply message integrity and encryption services, key-establishment protocols, and a large set of extended security services, while at the same time meeting the low implementation cost, low power, and high flexibility requirements of ad hoc wire ...

Keywords: 802.15.4, ad hoc networks, security, wireless

11 Securing the global, remote, mobile user
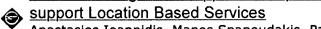
Walt Curtis, Lori Sinton
March 1999 **International Journal of Network Management**, Volume 9 Issue 1
Publisher: John Wiley & Sons, Inc.

Full text available: pdf(982.14 KB)   Additional Information: full citation, abstract, index terms

Electronic commerce is inevitable and will reshape our lives, but before true electronic commerce environments can be realized, it will be necessary to secure your enterprise against outside attacks on its electronic information and provide controls for authorized access to that information. Copyright © 1999 John Wiley & Sons, Ltd.

12 Web technologies and applications (WTA): Using XML and related standards to support Location Based Services

Anastasios Ioannidis, Manos Spanoudakis, Panos Sianas, Ioannis Priggouris, Stathes Hadjiefthymiades, Lazaros Merakos
March 2004 **Proceedings of the 2004 ACM symposium on Applied computing SAC '04**
Publisher: ACM Press

Full text available: pdf(270.83 KB)   Additional Information: full citation, abstract, references, citings, index terms

Location Based Services can be considered as the most rapidly expanding field of the mobile communications sector. The proliferation of the mobile/wireless Internet, the constantly increasing use of handheld, mobile devices and positioning technologies and the emergence of mobile computing, prepared the grounds for the introduction of this new type of services with impressively large application domain and use range. The combination of position fixing mechanisms with location-dependent, georgrap ...

Keywords: Web Services, XML, location based Services

13 Dependable Dynamic Source Routing without a trusted third party ▬
Asad Amir Pirzada, Chris McDonald, Amitava Datta
January 2005 **Proceedings of the Twenty-eighth Australasian conference on Computer Science - Volume 38 ACSC '05**
Publisher: Australian Computer Society, Inc.
Full text available: ⬛ pdf(320.47 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Ad-hoc networks are frequently used to establish communication in improvised environments without requiring any fixed infrastructure. These networks are formed with the help of their constituent wireless nodes, which are expected to forward packets for other nodes according to a pre-agreed upon protocol. The Dynamic Source Routing (DSR) protocol is one such protocol that helps to create and maintain routes in an ad-hoc network in spite of the dynamic topology. The accurate execution of this prot ...

Keywords: ad-hoc, networks, protocols, security, trust

14 Mobile services and technology track: A conceptual approach to information security ▬
◈ in financial account aggregation
Manish Agrawal, Hemant Padmanabhan, Lokesh Pandey, H. R. Rao, Shambhu Upadhyaya
March 2004 **Proceedings of the 6th international conference on Electronic commerce ICEC '04**
Publisher: ACM Press
Full text available: ⬛ pdf(173.70 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

An important dimension of mobile computing is the ubiquitous and location-independent availability of data. Aggregation is the ability to electronically access and display personal account information from disparate sources through a single identity. The client financial data is assembled in an organized format providing meaningful summarization and analysis. The prevalent methods of aggregation pose issues in information security and assurance. Utilizing advances in Internet technology such as ...

Keywords: account service providers, aggregation, identity service providers, scraping

15 Security: Fast authenticated key establishment protocols for self-organizing sensor ▬
◈ networks
Qiang Huang, Johnas Cukier, Hisashi Kobayashi, Bede Liu, Jinyun Zhang
September 2003 **Proceedings of the 2nd ACM international conference on Wireless sensor networks and applications WSNA '03**
Publisher: ACM Press
Full text available: ⬛ pdf(303.05 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

In this paper, we consider efficient authenticated key establishment protocols between a sensor and a security manager in a self-organizing sensor network. We propose a hybrid authenticated key establishment scheme, which exploits the difference in capabilities between security managers and sensors, and put the cryptographic burden where the resources are less constrained. The hybrid scheme reduces the high cost public-key operations at the sensor side and replaces them with efficient symmetric- ...

Keywords: elliptic curve cryptography, key establishment, security, sensor network

16 <u>Access control to people location information</u>

Urs Hengartner, Peter Steenkiste

November 2005 **ACM Transactions on Information and System Security (TISSEC),**
Volume 8 Issue 4

Publisher: ACM Press

Full text available: pdf(356.85 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Ubiquitous computing uses a variety of information for which access needs to be controlled. For instance, a person's current location is a sensitive piece of information that only authorized entities should be able to learn. Several challenges arise in the specification and implementation of policies controlling access to location information. For example, there can be multiple sources of location information. The sources can be within different administrative domains, which might allow differen ...

Keywords: Certificates, DSA, RSA, SPKI/SDSI, credential discovery, delegation, location, privacy, trust

17 <u>A smartcard for authentication in WLANs</u>

Marc Loutrel, Pascal Urien, Guy Pujolle

October 2003 **Proceedings of the 2003 IFIP/ACM Latin America conference on Towards a Latin American agenda for network research LANC '03**

Publisher: ACM Press

Full text available: pdf(333.05 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Wireless LANs based on the IEEE 802.11b standard have spread very quickly over the past few years. Nevertheless a lot of security issues remain and stop its deployment in corporations. One of the most important issues is the authentication of a terminal to an Access Point. We propose an interface to integrate the Extensible Authentication Protocol into smartcards and will show that smartcards could constitute the de-facto device for authentication in Wireless LAN as they are for GSM and will ...

Keywords: authentication, smartcard, wireless LANs

18 <u>Establishing trust in pure ad-hoc networks</u>

Asad Amir Pirzada, Chris McDonald

January 2004 **Proceedings of the 27th Australasian conference on Computer science - Volume 26 ACSC '04**

Publisher: Australian Computer Society, Inc.

Full text available: pdf(114.36 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

An ad-hoc network of wireless nodes is a temporarily formed network, created, operated and managed by the nodes themselves. It is also often termed an infrastructure-less, self-organized, or spontaneous network. Nodes assist each other by passing data and control packets from one node to another, often beyond the wireless range of the original sender. The execution and survival of an ad-hoc network is solely dependent upon the cooperative and trusting nature of its nodes.However, this naive depe ...

Keywords: ad-hoc, networks, protocols, security, trust

19 <u>Next generation access control models: Implementing access control to people location information</u>

Urs Hengartner, Peter Steenkiste

June 2004 **Proceedings of the ninth ACM symposium on Access control models and**

technologies SACMAT '04
Publisher: ACM Press

Full text available: pdf(164.30 KB)   Additional Information: full citation, abstract, references, citings, index terms

Ubiquitous computing uses a variety of information for which access needs to be controlled. For instance, a person's current location is asensitive piece of information, which only authorized entities should be able to learn. Several challenges arise in the specification and implementation of policies controlling access to location information. For example, there can be multiple sources of location information, the sources can be within different administrative domains, different administrative ...

Keywords: certificates, delegation, dsa, location, rsa, spki/sdsi, trust

20 Formal prototyping in early stages of protocol design

Alwyn Goodloe, Carl A. Gunter, Mark-Oliver Stehr
January 2005 **Proceedings of the 2005 workshop on Issues in the theory of security WITS '05**
Publisher: ACM Press

Full text available: pdf(530.03 KB)   Additional Information: full citation, abstract, references

Network protocol design is usually an informal process where debugging is based on successive iterations of a prototype implementation. The feedback provided by a prototype can be indispensable since the requirements are often incomplete at the start. A draw-back of this technique is that errors in protocols can be notoriously difficult to detect by testing alone. Applying formal methods such as theorem proving can greatly increase one's confidence that the protocol is correct. However, formal m ...

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#3   ((~~digital certificate~~<in>metadata) <and> (mobile<in>metadata))<or> (cellular<in>metadata)

#4   ((~~digital certificate~~<in>metadata) <and> (~~provisioning server~~<in>metadata))

#5   (certificate, mobile, provision<IN>metadata)

#6   (certificate, mobile, provision<IN>metadata)

#7   (~~digital certificate~~<in>ti) and (mobile wireless<in>ti)

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